

## **ABSTRACT**

A heat pipe has a pipe container and a fiber wick structure. The fiber wick structure is arranged on an inner wall of the pipe container, and the fiber wick structure has at least two kinds of fibers with different melting points.

5 Furthermore, when the fiber wick structure is manufactured in a sintering process, the higher melting point of fiber provides a support force for the fiber wick structure coupled to the inner wall of the pipe container, and the lower melting point of fiber is melted in the sintering temperature of the pipe container to adhere to the higher melting point of fiber on the inner wall of the  
10 pipe container.